

CLAIMS

What is claimed is:

- 5 Claim 1. An agrochemical composition comprising an agrochemical active ingredient and an amine adjuvant.
- Claim 2. The agrochemical composition of claim 1 wherein said agrochemical active ingredient is selected from the group consisting of paraquat, diquat, glyphosate, fomesafen, thiamethoxam, mesotrione, trifloxysulfuron or mixtures thereof.
- 10 Claim 3. The agrochemical composition of claim 2 wherein said agrochemical active ingredient is paraquat or diquat or mixtures thereof.
- Claim 4. The agrochemical composition of claim 3 wherein the concentration of the paraquat or diquat or mixtures thereof is greater than 100 g/l.
- Claim 5. The agrochemical composition of claim 1 wherein said amine adjuvant is triethylenediamine (TEDA) or a salt thereof; or
15 tetramethylethylenediamine (TMEDA) or a salt thereof.
- Claim 6. The agrochemical composition of claim 1 wherein the ratio by weight of the amine adjuvant to the agrochemical active ingredient is preferably from 1:20 to 10:1.
- 20 Claim 7. The agrochemical composition of claim 1 wherein the ratio by weight of the amine adjuvant to the agrochemical active ingredient is preferably from 1:10 to 1:2.
- Claim 8. The agrochemical composition of claim 4 which further comprises from 10 to 400 grams per litre, of an electrolyte purgative
- 25 Claim 9. The agrochemical composition of claim 8 wherein said electrolyte purgative is magnesium sulphate.
- Claim 10. The agrochemical composition of claim 8 which further comprises an alginate which is a pH-triggered gelling agent such that a pH-triggered gel effect takes place at the acid pH of human gastric juice.
- 30 Claim 11. The agrochemical composition of claim 9 which comprises from 10 to 100 grams per litre of magnesium sulphate as an electrolyte purgative.
- Claim 12. The agrochemical composition of claim 1 which further comprises a second adjuvant.

- Claim 13. The agrochemical composition of claim 12 wherein said second adjuvant is a surfactant.
- Claim 14. The agrochemical composition of claim 13 wherein said surfactant is selected from the group consisting of alkyl polyglycosides, betaines,
5 alkylethoxy phosphates and salts thereof, alcohol ether carboxylic acids and salts thereof, alcohol ether sulphates and salts thereof.
- Claim 15. The agrochemical composition of claim 12 wherein said second adjuvant is present at a lower concentration than said amine adjuvant.
- Claim 16. The agrochemical composition of claim 15 wherein said second adjuvant is selected from the group consisting of alcohol ethoxylates, amine
10 ethoxylates, amine oxides and cationics such as quaternary ammonium salts.
- Claim 17. The agrochemical composition of claim 16 wherein the ratio by weight of the amine adjuvant to the second adjuvant ranges from about 50:1 to 1:50.
- 15 Claim 18. The agrochemical composition of claim 17 wherein the ratio by weight of the amine adjuvant to the second adjuvant ranges from about 10:1 to 1:10.
- Claim 19. The agrochemical composition of claim 16 wherein the ratio by weight of the amine adjuvant to the second adjuvant ranges from about 1:1 down to 1:25.
- 20 Claim 20. The agrochemical composition of claim 19 wherein the ratio by weight of the amine adjuvant to the second adjuvant ranges from about 1:4 to 1:15.
- Claim 21. The agrochemical composition of claim 12 wherein the ratio by weight of the amine adjuvant and the second adjuvant to the agrochemical active ingredient is preferably from about 1:10 to 10:1.
- 25 Claim 22. The agrochemical composition of claim 21 wherein the ratio by weight of the amine adjuvant and the second adjuvant to the agrochemical active ingredient is preferably from about 1:5 to 10:1.